

**REMARKS**

This amendment after final is in response to a January 28, 2005 Final Office action (Paper No. 20050124). Upon entry of this amendment, claims 3, 6, 27, 36 through 50 will be pending in this application. Applicant has amended claims 3, 6, 27 and 36 by this amendment and has newly added claims 38 through 50 by this amendment.

In the Office action, the Examiner rejected claims 3, 6, 27, 36 and 37 under 35 U.S.C. 102 (b) using Fujiyama et al (JP 9-48121). Applicant has amended claims 3, 6, 27 and 36 by this amendment making this rejection moot.

Regarding the rejection claim 27 using Murthy '214 and Bassous '410, Applicant claims in claim 27, "wherein each chamber-orifice complex hole corresponds to at least one of said plurality of ink feed holes". In the Office action, the Examiner indicates that FIG. 1 of Murthy '214 teaches this feature without any more guidance as to exactly what reference numerals or line or column numbers in Murthy '214 teach this feature.

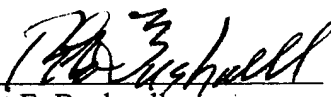
Applicant submits that FIG. 1 of Murthy '214 is a cross section of FIG. 2 which shows seven nozzle holes 18 that correspond to one ink supply 24. Because there are fewer ink supply holes 24 than nozzle holes 18 in Murthy '214, Applicant submits that Murthy '214 does not and can not meet the above claim language of Applicant's claim 27. If Murthy '214 has more nozzle holes than ink feed holes, Murthy '214 cannot possibly teach, "wherein each chamber-orifice

complex hole corresponds to at least one of said plurality of ink feed holes". Because neither Murthy '214 nor Bassous '410 teach this limitation of Applicant's claim 27, the rejection of claim 27 in using Bassous '410 and Murthy '214 cannot stand..

Applicant is also newly added claims 38 through 50 by this amendment to emphasize other features not present in the prior art, including the nozzle plate being made out of polyimide and not of metal, the channel being V-shaped, and the height of the heater elements being only a small fraction of the height of the cylindrical portion of the chamber orifice holes, a one-to-one correspondence between the nozzle holes and the ink feed holes, and the presence of a disk or ring shaped portion in the nozzle holes that is between the conical and the cylindrical portions of the nozzle holes. Entry of and favorable examination of these claims is respectfully requested.

In view of the above, all claims are deemed to be allowable and this application is believed to be in condition to be passed to issue. Should any questions remain unresolved, the Examiner is requested to telephone Applicants' attorney.

Respectfully submitted,



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